



IFW

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

20

Application Number

10/691,423

Filing Date

October 22, 2003

First Named Inventor

Joseph Oneal

Art Unit

1614

Examiner Name

Attorney Docket Number

APROG.0101

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Postcard Acknowledgement
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
	<input type="checkbox"/> CD, Number of CD(s) _____	
	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	Submission of Information Disclosure Statement with Cited References A1-A14	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Carstens & Cahoon, LLP		
Signature			
Printed name	David W. Carstens		
Date	November 5, 2004	Reg. No.	34,134

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Sarah Lau	Date	November 5, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Joseph Oneal
Serial No.: 10/691,423
Filing Date: October 22, 2003
Title: Method and Composition for Maintaining
Urinary Tract Health in the Face of Infections
Art Unit: 1614
Attorney Docket No.: APROG.0101

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Applicant requests that the information listed on the attached Form PTO/SB/08A be considered by the Office during the pendency of the above entitled application, pursuant to 37 C.F.R. 1.97.

In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b). In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the new standards of materiality defined in 37 C.F.R. 1.56(b), enacted March 16, 1992, but may be material under the old standard of materiality defined in 37 C.F.R. 1.56(a), last amended on November 28, 1988, or may merely be technical background which may be of interest to the Examiner. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) within three months of the filing date of the application, or before the mailing date of a first office action on the merits. No fee or certification is required.

Date: November 5, 2004

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'DWC', written over a horizontal line.

David W. Carstens
Reg. No. 34,134

CARSTENS & CAHOON, LLP
P.O. Box 802334
Dallas, TX 75380
Telephone: (972) 367-2001
Fax: (972) 367-2002
Attorney for Applicant



PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/691,423		
		Filing Date	October 22, 2003		
		First Named Inventor	Joseph Oneal, et al.		
		Art Unit	1614		
Examiner Name					
Sheet	1	of	2	Attorney Docket Number	APROG.0101

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A1	Theresa M. WIZEMANN, et al. "Adhesins as Targets for Vaccine Development." wysiwyg://21/http://www.cdc.gov/ncidod/eid/vol5nos/wizeman.htm	
	A2	"Anti-adhesive Oligosaccharides". http://www.fst.rdg.ac.uk/people/arastall/antiadhesives.htm	
	A3	PAK J, et al. "Tamm-Horsfall protein binds to type 1-fimbriated E. coli and prevents the E. coli from binding to uroplakin Ia and Ib receptors". J Biol Chem 2000 Dec 27; http://www.ncbi.nlm.nih.gov/htbin-post/entrez/query_old?db=m_d	
	A4	SCHEMBRI MA, et al. "Expression and purification of the mannose recognition domain of the FimH adhesin". FEMS Microbiol Lett 2000 July 15; 188(2):147-51	
	A5	KING SS, et al. "Use of specific sugars to inhibit bacterial adherence to equine endometrium in vitro". Am J Vet Res 2000 Apr;61(4):446-9	
	A6	RUGGIERI MR, et al. "Mannose inhibition of Escherichia coli adherence to urinary bladder epithelium; comparison with yeast agglutination". Urol Res 1985; 13(2):79-84	
	A7	RUGGIERI MR, et al. "Bladder epithelium: comparison with yeast agglutination".	
	A8	MICHAELS EK, "Effect of D-mannose and D-glucose on Escherichia coli Bacteriuria in rats". Urol Res 1983; 11(2):97-102	
	A9	IWAHI T, et al. "Virulence of Escherichia coli in ascending urinary-tract infection in mice". J Med Microbiol 1982 Aug; 15(3):303-16	
	A10	DAVIS CP, et al. "Evidence for a bladder cell glycolipid receptor for Escherichia coli and the effect of neuraminic acid and colominic acid on adherence". Infect Immun 1981 Dec; 34(3):944-8	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known			
		Application Number	10/691,423		
		Filing Date	October 22, 2003		
		First Named Inventor	Joseph Oneal, et al.		
		Art Unit	1614		
Examiner Name					
Sheet	2	of	2	Attorney Docket Number	APROG.0101

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A11	OFEK I, et al. "Mannose-specific adherence of Escherichia coli freshly excreted in the urine of patients with urinary tract infections, and of isolates subcultured from the infected urine". Infect Immun 1981 Dec; 34(3):708-11	
	A12	AVOTS-AVOTINS AE, et al. "Environmental alteration and two distinct mechanisms of E. coli adherence to bladder epithelial cells". Invest Urol 1981 Mar; 18(5):364-70	
	A13	ARONSON M, et al. "Prevention of colonization of the urinary tract of mice with Escherichia coli by blocking of bacterial adherence with methyl alpha-D-mannopyranoside". J Infect Dis 1979 Mr; 139 (3):329-32	
	A14	TOYOTA S, et al. "Anti-bacterial defense mechanism of the urinary bladder. Role of mannose in urine". Nippon Hinyokika Gakkai Zasshi 1989 Dec; 80(12):1816-23	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.